



**DARLASTON URBAN DISTRICT COUNCIL.**



# **Annual Report**

... OF THE ...

**MEDICAL OFFICER OF HEALTH**

FOR THE YEAR 1914,

... BY ...

**VINCENT J. MAGRANE,**

WITH SUPPLEMENTARY REPORT

BY THE

**SANITARY INSPECTOR,**

**JOSEPH S. BARKER.**

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DARLASTON :

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1915.


# Annual Report

OF THE

## MEDICAL OFFICER OF HEALTH

### FOR 1914.

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MR. CHAIRMAN AND GENTLEMEN,

I have pleasure in submitting for your consideration my Annual Report for the year 1914.

**Area**—913 Acres.

**Population** (estimated) 17,700.

Number of inhabited houses      ..      3,550

Average number of persons per house   4·91

### **Births.**

The Births numbered 579, viz : Males 297, Females 282, giving a birth-rate of 32·71 per 1000 of the population, compared with 576 and a rate of 32·88 in 1913, and 31·96 in 1912.

26 Illegitimate Births were registered as compared with 16 in 1913, giving rates of 3·45 and 2·78 respectively.

## Deaths.

The Deaths registered were 284, viz.: 176 Males and 108 Females.

Twenty-nine Deaths (five more than last year) were registered as having died outside the district.

Local death-rate 14·41. Corrected nett death-rate 16·05, as compared with 17·47 and 18·84 in 1913.

The following are particulars of the Deaths in Public Institutions or other places outside the district.

|                              |       |
|------------------------------|-------|
| Dudley U. D. Guest Hospital  | 1     |
| Bilston U. D. .. ..          | 2     |
| Lichfield Mental Hospital .. | 2     |
| Walsall Union .. ..          | 2     |
| Walsall Infirmary .. ..      | 10    |
| Tipton U. D. C. .. ..        | 1     |
| Wolverhampton Hospital ..    | 4     |
| Walsall Hospital .. ..       | 2     |
| Walsall U. D. .. ..          | 4     |
| Derby Infirmary . . . .      | 1     |
|                              | <hr/> |
|                              | 29    |
|                              | <hr/> |

## Infantile Mortality.

The number of Deaths under 1 year of age was 83, exactly the same number as last year.

The percentage of Deaths to total Deaths was 29·22 compared with 25·15 in 1913 and 26·75 in 1912. To Births registered 14·33 compared with 14·49 in 1913 and 14·41 in 1912.

## Health Visitor.

The duties have been carried on through the Nursing Institute.

## Zymotic Diseases.

The Deaths from Zymotic Diseases numbered 31 compared with 54 in 1913.

The death-rate per 1000 of the population was 1·7 compared with 3·2 in 1913.

The percentage of Deaths from Zymotic diseases to the total deaths for 1914 was 10·9, compared with 17·57 in 1913.

### Measles.

There were no Deaths from this disease as compared with 19 in 1913, and 26 in 1912.

### Scarlet Fever.

Six cases were notified (no deaths), compared with 28 cases and 1 death in 1913.

Two of these cases were found attending Dorsett Road Schools in July.

The Schools were thoroughly disinfected, books used by the two children were destroyed, and all "contacts" were kept under observation, with the result that no further cases were notified.

All cases were visited, instructions given as to isolation, and the rooms disinfected on the patients' convalescence.

The number of cases and deaths since 1905 are as follows:

|      | Notifications | Deaths |
|------|---------------|--------|
| 1905 | 33            | 0      |
| 1906 | 27            | 0      |
| 1907 | 102           | 6      |
| 1908 | 65            | 1      |
| 1909 | 120           | 10     |
| 1910 | 65            | 6      |
| 1911 | 11            | 0      |
| 1912 | 27            | 1      |
| 1913 | 28            | 1      |
| 1914 | 6             | 0      |

The ages of the persons who contracted the disease were :

|                           |    |       |
|---------------------------|----|-------|
| 1 and under 5 years       | .. | 1     |
| 5        „        15    „ | .. | 4     |
| 25       „        45    „ | .  | 1     |
|                           |    | <hr/> |
|                           |    | 6     |
|                           |    | <hr/> |

### Enteric Fever.

Two cases were notified, 1 in February and 1 in November, with 1 death.

The former, which occurred in the Central Ward, was a sporadic case, and on enquiry was undoubtedly due to the eating of shell-fish.

The man was too ill to remove to the Hospital and the case terminated rapidly.

Every precaution was taken, the premises thoroughly cleansed, and bedding, clothing, &c., steam disinfected, with the result that no other case appeared in the neighbourhood.

The other case was also sporadic, occurred in Central Ward, and as the surroundings were satisfactory, was nursed at home.

The following is a list of cases notified in previous years :

| Years | Cases |
|-------|-------|
| 1904  | 17    |
| 1905  | 30    |
| 1906  | 17    |
| 1907  | 11    |
| 1908  | 4     |
| 1909  | 3     |
| 1910  | 3     |
| 1911  | 9     |
| 1912  | 7     |
| 1913  | 2     |

### Diarrhoea (including Enteritis)

This disease was responsible for 21 deaths, 13 of which were infants under 1 year, 6 under six years, while 2 were adults.

The proportion of deaths to 1000 deaths is 73.94 compared with 101.31 in 1913, and 21.66 in 1912.

The percentage of deaths of children under 1 year to total deaths of children under 1 year is 15.66, compared with 20.48 in 1913 and 5.00 in 1912.

The deaths in previous years were :

| Years |    | Total Deaths | Deaths of Infants under 1 year |
|-------|----|--------------|--------------------------------|
| 1907  | .. | 19           | 11                             |
| 1908  | .. | 29           | 23                             |
| 1909  | .. | 15           | 10                             |
| 1910  | .. | 12           | 7                              |
| 1911  | .. | 31           | 17                             |
| 1912  | .. | 6            | 4                              |
| 1913  | .. | 31           | 17                             |

Early in the summer, as is my custom, the usual notices were issued, warning parents and those in charge of children that Diarrhœa was an epidemic disease, frequently carried by flies, and advising that all milk and food should be covered up and kept in a cool place.

### **Diphtheria and Membraneous Croup.**

Four cases were reported, of which 2 proved fatal, compared with 3 cases notified, and 1 death in 1914.

### **Whooping Cough.**

Seven deaths occurred as compared with 2 in 1913, and 11 in 1912.

### **Mumps.**

During May and June an epidemic of this disease occurred, which seemed to have its origin in the Green Schools.

### **Epidemic Influenza.**

Five deaths occurred, as compared with 3 in 1913 and 6 in 1912.

## Respiratory Diseases.

|   |                 |
|---|-----------------|
| DEATHS—Bronchitis ..                      | 32              |
| Pneumonia (all forms)                     | 28              |
| Other diseases of res-<br>piratory organs | <u>3</u>        |
|   | 63              |
|   | <u>        </u> |

Compared with 79 in 1913 and 78 in 1912

The proportion of deaths to 1000 deaths was 214·78 compared with 239·39 in 1913, and 260·86 in 1912.

The death-rate per 1000 of the population :

|            |     |
|------------|-----|
| Bronchitis | 1·8 |
| Pneumonia  | 1·5 |

## Phthisis (Pulmonary Tuberculosis).

This disease accounted for 23 deaths, compared with 21 in 1913.

The proportion to 1000 deaths for this and previous years was :

|      |    |       |
|------|----|-------|
| 1914 | .. | 80·68 |
| 1913 | .. | 63·63 |
| 1912 | .. | 53·51 |
| 1911 | .. | 85·71 |
| 1910 | .. | 65·63 |
| 1909 | .. | 45·73 |
| 1908 | .. | 47·92 |
| 1907 | .. | 68·53 |

The death-rate per 1000 of the population was 1·29 compared with 1·19 in 1913, 0·92 in 1912 and 1·57 in 1911.

Forty-eight cases were reported during their year, compared with 67 in 1913.

Under the head of Other Forms of Tuberculosis, 10 notifications were received, compared with 25 in 1913.

The Staffordshire, Wolverhampton and Dudley Joint Committee have now established a Dispensary in Wednesbury, where patients are seen twice a week by the Tuberculosis Officer,

and the Phthisis Sanatorium at Moorcroft, near Moxley, is available for male patients.

During the dry weather the streets should be daily (Sundays included) cleared of all refuse, well watered, and the inhabitants warned against the filthy habit of spitting, as no doubt this is a dust-borne disease.

By arrangement with the Registrar of Deaths, all fatal cases are immediately notified, and steps taken to disinfect the houses affected.

### **Cancer.**

Seventeen deaths were registered from this cause, compared with 18 in 1913, 16 in 1912 and 17 in 1911,

### **Ophthalmia Neonatorum.**

One case was reported through the year, which was treated at the Eye Infirmary, with good results.

### **Inquests.**

The following inquests were held, the verdicts being :

|          |                           |
|----------|---------------------------|
| 7        | Natural Causes            |
| 1        | Ptomaine Poisoning        |
| 1        | Rupture of Gastric Ulcer. |
| 4        | Suicides                  |
| Total 13 |                           |

### **Excrement and Refuse Removal.**

All refuse is removed by the Council's own men, under a foreman.

During the year 39 open ashpits have been abolished, and sanitary dust bins are in general use in the district.

Ninety-seven privy middens and 18 cisterns have been abolished, and 120 water closets substituted. In addition 46 water closets have been added to new houses, and there have been 49 conversions in various factories.



No difficulty has been experienced in carrying out these alterations.

There are now 2919 water closets in the district, compared with 2630 in 1913 and 2403 in 1912.

### Sewage Disposal.

The conversion of the present works is temporarily postponed.

### Water Supply.

The district is served with a continuous supply of good water from the South Staffordshire Water Works Co. Wells are not in use.

### Housing and Town Planning.

The usual systematic inspection has been carried on during the year, and several alterations and improvements in old property carried out.

The following table gives a detailed account of the work done.

*Table showing summary of action taken under the  
Housing and Town Planning, &c., Act, 1909.*

|  |    |     |
|--|----|-----|
| Total number of houses inspected             | .. | 153 |
| Total houses thoroughly repaired             | .. | 77  |
| Total closed by arrangement or under Sec. 17 |    | 8   |
| Total demolished                             | .. | 16  |
| Under Repair                                 | .. | 8   |
| Still under notice                           | .. | 30  |

This subject is fully dealt with in your Sanitary Inspector's Report.

In the Report for 1913 I alluded to the scarcity of houses for the working classes; since then a Company has been formed, called "The Darlaston and District Housing Company," which has taken the building problem actively in hand.

Houses are being rapidly built, they are of a good type—1 living room, 1 kitchen and 3 bedrooms, and are let at an average rental of 5/9 per week.

## **The War and its Effect upon Darlaston.**

- (1) A Town's meeting was held under the Chairmanship of Councillor C. Foster, J.P., at which it was resolved to contribute to the Prince of Wales' National Relief Fund, and in a short time upwards of £2000 was subscribed.
- (2) The Darlaston Division of the Soldiers' and Sailors' Families Association, through the courtesy of the Council, established an office in the Town Hall, where the work of enquiring into, and relieving cases is carried on.
- (3) The Doctors and Chemists agreed to act in accordance with the resolution of the British Medical Association. The former giving their services gratuitously and the latter supplying drugs at cost price (to the Government) for the families of our Soldiers and Sailors.
- (4) Recruiting was vigorously carried on, and up to the end of the year over 2000 men had passed through the office. This number of course does not include those already serving at the outbreak of hostilities.
- (5) Two parties of Belgian refugees are now accommodated in 2 houses, 1 in All Saints, and the other in The Green Ward. A Committee of Ladies look after their comfort.

There are no troops billeted in the district.

### **Isolation Hospital.**

This building, situated in Heath Road, is now used for the reception of cases of Enteric Fever.

The accommodation consists of 8 rooms with 14 beds. There is no permanent staff, but temporary nurses are appointed when necessary.

It has always been clean and in good order on all my visits.

No cases have been admitted during the year.

### **Dairies and Cowsheds.**

There are 10 cowkeepers and 26 purveyors of milk in the district. All the cowsheds were found in good order, well lime-washed and clean. One cow was slaughtered, as it was found suffering from General Tuberculosis.

### **Slaughter-houses.**

There are 10 slaughter-houses, 4 licensed and 6 registered. Frequent visits have been paid, including butchers' shops and places where meat was exposed for sale.

### **Meat and Food Inspection.**

Considerable attention has been given to this, and numerous visits have been paid to shops and market stalls.

### **Vaccination.**

This is practically a "dead letter," owing to the increased number of "conscientious objections."

### **Surveyor's Department.**

During the year 57 houses have been erected, and various extensions made to offices and factories.

### **Factories and Workshops.**

Nut and Bolt making is the staple trade, but in addition there are Constructional Engineers, who turn out heavy work, such as Railway Station Roofs, Bridges, etc. There are also Galvanizers, Tube makers, Stampers, Latch makers, Engineers—for making bolt and nut machinery, etc.; Saw mills, Joiners and Builders, Motor Car Frame makers and 1 Steam Laundry.

Trade, especially since August, has been very brisk, some of the factories working day and night.

The following list comprises the trades carried on in workshops:

|                            |                 |
|----------------------------|-----------------|
| Nut & Bolt making          | Sugar Boilers   |
| Gun Locks                  | Watch Repairers |
| Dressmaking                | Printers        |
| Millinery                  | Basket Makers   |
| Boot and Shoe Repairing    | Stone Masons    |
| Shoeing Blacksmiths        | Picture Framers |
| Joiners and Carpenters     | Pattern Makers  |
| Wheelwrights & Coachmakers | Cooper          |
| Rope making                | Maltsters       |
| Saddlers                   | Stampers        |
| File Cutting               | Plumbing        |
| Tailors                    | Bakers          |

Sixteen notices of defects at factories, which were remediable under the Public Health Acts, were received from H.M. Inspector of Factories. These complaints have all received attention.

132 visits of inspection have been made to workshops and 43 re-visits respecting defects notified.

The temporary office now occupied by the Sanitary Inspector, is a vast improvement on the old one, and I hope the Council will see its way clear to make the occupation permanent. The enormous amount of registers, books, &c., could not well be housed in a smaller office. I cannot conclude this report without a word of praise of your Inspector whose help during the year has been invaluable.

The multiplicity of duties and the many calls upon his services, make it necessary that some clerical assistance should be given him in the future.

I have also to thank your Surveyor for his able assistance during the year.

I remain, Mr. Chairman and Gentlemen,

Yours faithfully,

VINCENT J. MAGRANE,

Medical Officer of Health.

# Annual Report

## OF THE

# SANITARY INSPECTOR.

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MR. CHAIRMAN AND GENTLEMEN,

I have the honour and pleasure of submitting to you my Report on the work of the Health Department for the year ending December, 1915.

### Excrement and Refuse Disposal.

The collection and disposal of house-refuse is a matter of some importance as affecting the whole of the community. The old insanitary ashpit, in many cases without any door or covering, and often found in combination with a privy, is now practically a thing of the past, and the objectionable and insanitary method of carting on to the public streets is now almost at an end. By far the greater majority of the houses are provided with galvanized iron receptacles which receive weekly attention, the remainder of the dwellings having properly roofed and covered-in ashpits constructed in accordance with the Bye-laws. A total of 39 open ashpits have been abolished during the year, the total number in the three Wards inspected during the year being 127.—See tables 4, 5 and 6. As regards the Sanitary conditions at Moxley, included under Catherine's Cross, little has been done, as this part of the district is unsewered. The drainage is at present to cesspits and dumpwells, which require constant attention. I am given to understand that it will be a matter of three years or more before it will be deemed advisable to construct a sewer, owing to ground subsidence caused by mining operations. The total number of houses for which provision will have to be made is 78, comprehending 47 privies at present in use. Every effort is made

to keep the surroundings in as sanitary a condition as possible, and in this direction it may be observed that no case of Infectious Disease of any kind has been reported in this area during the year. There is also very little sickness in this section of the town.

Respecting the provision of covered dust bins in lieu of ashpits, it is to be regretted that the type of bin provided is more often than not of a cheap variety, has but a short life, and soon gives rise to a nuisance about the premises, and causes grumbling when the owners are called upon to re-new or amend such receptacles. The fault lies in the absence of a standard type of bin of adequate strength and guage. There are always to be found owners and builders who will provide the flimsiest article, which often turns out to be more costly in the long run. They are of course actuated by the first cost and the securing of the order in competition. Where the conditions are equal for all, and a standard bin is insisted upon, the benefits are equal for all, and the owner reaps the ultimate benefit. This is a matter which I placed before the Committee early in the year, since when I have had a special bin constructed. When a notice is served for the provision of accommodation for domestic refuse, this bin is recommended. I am pleased to state that a large number have been provided during the year.

By referring to Table 1, column (a) it will be seen that the total number of bins emptied during the twelve months exceeds the previous year by 31,820, showing a good advance in this direction, and that the figures in columns (b) (c) (d) are rapidly decreasing. The increase under (g) is accounted for by the constant attention which is now necessary to avoid the cesspits at Moxley and the various works becoming a nuisance.

There are now a total of 1782 bins in use in the town, the work being performed by 2 teams at a total cost for the year of £556 7s. During the period of the report it has not been necessary to engage any additional assistance. When it is remembered that some years back 6 teams were often engaged in this work it will be seen what a saving has been effected since the campaign against the privy midden first began.

## Returns.

Returns showing the cost of refuse removal for the twelve months ending December 31st, 1914, and compared with the 3 previous years.

| Year | Population |           | Total Cost | Cost per House |
|------|------------|-----------|------------|----------------|
| 1911 | 17107      | 913 acres | £635 0 5   | 3/7            |
| 1912 | 17363      | „         | £650 19 3  | 3/8½           |
| 1913 | 17517      | „         | £624 11 10 | 3/6½           |
| 1914 | 17700      | „         | £556 7 0   | 3/1¼           |

In arriving at the above figure, the following items have been taken into account :—wages, tradesmen's accounts (including Vet.'s fees, repairs to carts, harness, stables), stables account, and depreciation of horses, carts, harness.

During the year no additional team labour has been requisitioned, as the two teams can now cope with the work. It will not be possible to reduce this figure in the future as we are now working with the minimum teams and men.

Under this heading a saving of £68 4 10 has been effected over last year.



**Table 1.**

|                 | (a)                       | (b)                          | (c)                          | (d)                           | (e)                  | (f)                       | (g)                        |
|-----------------|---------------------------|------------------------------|------------------------------|-------------------------------|----------------------|---------------------------|----------------------------|
| MONTH.          | No. of<br>Bins<br>Emptied | No. of<br>Ashpits<br>Emptied | No. of<br>Middens<br>Emptied | No. of<br>Cisterns<br>Emptied | Loads<br>of<br>Ashes | Loads<br>of<br>Night Soil | Loads<br>from<br>Dumbwells |
| Jan. to 17th .. | 4959                      | 24                           | 16                           | 6                             | 211                  | 28                        | 8                          |
| Feb. to 17th..  | 8073                      | 89                           | 32                           | 33                            | 372                  | 39                        | 32                         |
| March to 21st   | 9802                      | 66                           | 15                           | 38                            | 374                  | 33                        | 51                         |
| April to 18th   | 7951                      | 77                           | 21                           | 25                            | 333                  | 25                        | 53                         |
| May to 21st ..  | 89,8                      | 127                          | 39                           | 26                            | 407                  | 69                        | 47                         |
| June to 19th..  | 8423                      | 84                           | 13                           | 28                            | 358                  | 19                        | 52                         |
| July to 25th .  | 10299                     | 86                           | 37                           | 41                            | 399                  | 59                        | 78                         |
| Aug. to 19th..  | 6313                      | 83                           | 14                           | 23                            | 315                  | 31                        | 27                         |
| Sept. to 23rd.. | 9800                      | 78                           | 23                           | 30                            | 425                  | 33                        | 48                         |
| Oct. to 17th    | 7368                      | 54                           | 13                           | 30                            | 287                  | 20                        | 66                         |
| Nov. to 14th    | 7808                      | 81                           | 17                           | 35                            | 319                  | 23                        | 67                         |
| Dec. to 31st .  | 13027                     | 106                          | 14                           | 52                            | 511                  | 27                        | 125                        |
| Totals 1914 .   | 102821                    | 955                          | 254                          | 367                           | 4311                 | 406                       | 654                        |
| Totals 1913 .   | 71001                     | 1130                         | 440                          | 388                           | 4388                 | 445                       | 438                        |
| Totals 1912 ..  | 50331                     | 1119                         | 502                          | 351                           | 4183                 | 488                       | 177                        |
| Totals 1911 ..  | 39673                     | 1447                         | 789                          | 485                           | 4309                 | 571                       | 166                        |



**Table 2.**

*Table showing the number of houses in the district and total number of Conversions made, and W.C.'s provided during the year 1914, and compared with the five previous years.*

House to house inspectors have been made of all houses in the first three wards, so that the figures given here are correct up to date. All Saints' Ward has not been inspected, the figures given here being taken from past reports.

| WARD              | Back to Back | Single Houses | Through Houses | Total Houses | Middens Abolished | Cisterns or Vaults Abolished | Total Abolished | Clean Water Closets                                  | Number of Houses Affected |
|-------------------|--------------|---------------|----------------|--------------|-------------------|------------------------------|-----------------|--|---------------------------|
| Catherine's Cross | 48           | 108           | 852            | 1008         | 23                | 5                            | 28              | 29   | 60                        |
| Central ..        | 23           | 117           | 583            | 723          | 24                | 2                            | 26              | 30 (new)<br>28                                       | 45                        |
| The Green         | 12           | 100           | 797            | 909          | 15                | 3                            | 18              | 2 (works)<br>5 (new)<br>18                           | 33                        |
| All Saints'       | —            | 59            | 851            | 910          | 35                | 8                            | 43              | 33 (works)<br>9 (new)<br>45<br>14 (works)<br>2 (new) | 56                        |
| Total 1914        | 83           | 384           | 3083           | 3550         | 97                | 18                           | 115             | 120<br>46 (new)<br>49 (works)                        | 194                       |
| 1913              | —            | 453           | 3082           | 3535         | 157               | 28                           | 185             | 237  | 290                       |
| 1912              | —            | 458           | 3044           | 3502         | 211               | 14                           | 225             | 260  | 367                       |
| 1911              | —            | —             | —              | —            | 145               | 90                           | 235             | 255  | 387                       |
| 1910              | —            | —             | —              | —            | 144               | 51                           | 213             | 226  | 368                       |
| 1909              | —            | —             | —              | —            | 87                | 39                           | 126             | 143  | 246                       |

## Housing and Town Planning.

### *House to house inspection and general character of defects found to exist.*

With a view to eliminating sanitary defects in connection with house property, a slight variation has been made in the method of inspection. To carry out a systematic inspection of the district as required by Section 17 of the Act would mean constant attention over a considerable period. A large percentage of the houses are of the purely working class type and erected at a time when the building bye-laws were of a less rigid character. On inspection it is found that structural alterations and extensive repairs are often necessary, so that the number of houses which can be satisfactorily dealt with during the year is not large. As it is desirable that the district should be covered at as early a date as possible, I have commenced a further inspection of a less searching character, and confined chiefly to defects about the premises, or which affect the well being of the tenant. These have reference in the main to paving of the yard areas, overcrowding, insanitary conveniences, defective roofs, absence of spouting and general dilapidations. The particulars are tabulated for future reference, and entered up in the "Ward Visiting Book," to be subsequently entered on to the proper Housing Cards used for the more detailed inspections. During the year we have been able to cover over three parts of the town, —Catherine's Cross, the Central, and the Green Wards, having been inspected, a total of 2640 houses. The essential details of these inspections will be found set out in the following tables under this heading.

The number of cases of Overcrowding brought to notice may appear somewhat high, but it must be observed that these are not essentially cases where the cubic space is reduced to a very low standard, but include instances of "Overcrowding with regard to sex." In these latter cases the family has usually occupied the premises for a number of years, and as the members of the family have grown up, have failed to see the necessity of moving into a larger and more suitable house. It is not a question of means, as there are frequently two or

three workers. These people are often able to pay 5/- or 6/- a week rent, but will not move unless compelled to do so. Their removal brings about a gradual movement from the lowest priced dwellings upwards, and cannot fail to be beneficial, these low priced houses, generally Court property in a bad state of disrepair being slowly wiped out.

In my last Annual Report I made mention of the necessity of considering the question of suitably housing the workers. Very little building had for some years been going on, and a large number of houses had been demolished. Since the passing of the Housing Act up to December, 1913, a total of 112 houses have been erected, and during that time, 113 have been closed and demolished as unfit for occupation. However, this stagnation is now past, and a considerable number of houses have been erected during the present year. 57 dwellings have been erected, letting at an average rental of 5/6 per week, 22 are partly completed, and a considerable number in hand to be erected at an early date. These have all been erected by private enterprise, so that if the needs of the community are to be met in this way, any question of a Housing Scheme by the Council is not for the present, or immediate future.

There are still in the district a number of dwellings of the Court variety which, considered from a Sanitary and hygienic point of view would be better down. They are let at a rental of about 2/6 a week, constitute overcrowding on space, and impede light and ventilation to adjacent premises. A great deal has been accomplished in weeding out the most representative of this class, in securing their Closure, and subsequent demolition.

The number of detailed inspections made under Section 17 and the result of such inspections will be found set out in Table 3. A total of 153 have been inspected and 139 found to require attention in the way of repairs. During the year 3 Closing Orders only have been issued, no Demolition Orders, and no Determining Orders. A total of 8 have been closed, and 16 demolished without recourse to official procedure.

**Table 3.**

*Houses Repaired and made Habitable, or otherwise dealt with under the Housing and Town Planning Act.*

| Situation of Premises  | No. of Houses | No. made Habitable | No. Closed | No. Demolished | No. under Repair | No. still under Notice |  |
|--|---------------|--------------------|------------|----------------|------------------|------------------------|--|
| Castle street, 7 to 14, ...  | 8             | 8                  |            |                |                  |                        | Repaired under specification           |
| Foster street, 57, ...   | 1             | 1                  |            |                |                  |                        |  |
| Cramphill, Ct. 8, house 4,   | 1             |                    |            | 1              |                  |                        | Voluntarily by request                 |
| Church street, 52, ...   | 1             |                    |            | 1              |                  |                        | Closing Order 2/7/13.                  |
| Baggott's Bridge, 9, ...   | 1             |                    |            | 1              |                  |                        | " " 4/2/13.                            |
| Giles' Square, 20, 21, ...   | 2             | 2                  |            |                |                  |                        | Repaired under specification           |
| Heath road, 36, 37, 38, 39, ...  | 4             |                    |            | 4              |                  |                        | Street improvement                     |
| Great Croft street, 29 to 32, ...  | 4             |                    |            | 4              |                  |                        | Closing Orders 7/1/13.                 |
| Cross street, 17 to 22, ...  | 6             | 6                  |            |                |                  | 3                      | Repaired under specification           |
| Smith street, 5, 6, 7, ...   | 3             |                    |            |                |                  | 2                      | Specification No. 80.                  |
| Eldon street, 23, 24, ...  | 2             |                    |            |                |                  |                        | " 64.                                  |
| Willenhall street, 22, 23, The Leys, 7 to 10, } Alma street, }           | 2             | 2                  |            |                | 6                |                        | Repaired under specification           |
| Moxley, 58 to 62, ...  | 5             | 5                  |            |                |                  |                        | Specification No. 76.                  |
| Foster street, 67, 68, 69, etc. ...                                      | 5             |                    |            |                |                  | 5                      | Repaired under specification           |
| Dangerfield lane, 6, 7, ...  | 2             |                    | 2          |                |                  |                        | Specification No. 72.                  |
| Dangerfield lane, Ct. 2, ...   | 6             | 6                  |            |                |                  |                        | In dangerous condition                 |
| Bush street, 19 to 28, ...   | 10            |                    |            |                |                  | 10                     | Repaired under specification           |
| Eldon street, 20, 21, ...  | 2             |                    |            |                | 2                |                        | Specification Nos. 65 to 68.           |
| Station street, 61, 62, ...  | 2             | 2                  |            |                |                  |                        | " No. 81.                              |
| Horton street, 28 to 31, Catherine's Cross, Ct. 4, Cramphill, Ct. 6, ... | 4             | 4                  | 3          |                |                  |                        | Repaired under specification           |
| Blockall, 55, 56, ...  | 2             |                    |            | 2              |                  |                        | Rebuilt " part "                       |
| Booth street, 55, ...  | 1             |                    |            | 1              |                  |                        | Closing Orders 9/6/14.                 |
| Church street, 30 to 35, Blockall, 1, 2, ...                             | 6             |                    | 2          |                |                  | 4                      | Taken down by owner                    |
| Dangerfield lane, 13, ...  | 1             | 1                  |            |                |                  | 2                      | To be " demolished "                   |
| Great Croft street, 33, 34, ...  | 2             | 1                  |            | 1              |                  |                        | Repaired " under specification         |
| The Green, 48, ...   | 1             |                    |            | 1              |                  |                        | Altered and converted to one dwelling. |
| King street, Ct. 3, 6, 7, 8, ...   | 3             | 3                  |            |                |                  |                        | Taken down by arrangement              |
| King street, Ct. 3, house 5, ...   | 1             | 1                  |            |                |                  |                        | Repaired under specification           |
| The Green, 83 to 87, ...   | 5             | 5                  |            |                |                  |                        | " "                                    |
| Richard street, 1 to 7, ...  | 7             | 7                  |            |                |                  |                        | " "                                    |
| Tilley street, 1 to 9, ...   | 9             | 9                  |            |                |                  |                        | " "                                    |
| Moxley, Ct. 1, house 1, ...  | 1             | 1                  |            |                |                  |                        | " "                                    |
| Great Croft street, 40 to 47, & Ct. 2, ...                               | 12            | 12                 |            |                |                  |                        | " "                                    |
| Bush street, Ct. 1, (1, 2), ...  | 2             |                    |            |                |                  | 2                      |  |
| Victoria road, 10, 11, 12, ...   | 3             |                    | 1          |                |                  | 2                      | Closing Order                          |
|  | 139           | 77                 | 8          | 16             | 8                | 30                     |  |

**Table 4.**

*Housing and Town Planning. Catherine's Cross Ward.*

| STREET.                 | Back to Back Houses | Single Houses | Through Houses | Number with 1 Bedroom | Number with 2 Bedrooms | Number with 3 Bedrooms | Over 3 | Cases of over-crowding | Open Ashpits | Privies and Cisterns |
|-------------------------|---------------------|---------------|----------------|-----------------------|------------------------|------------------------|--------|------------------------|--------------|----------------------|
| Alfred Street ..        | 0                   | 0             | 14             | 0                     | 14                     | 0                      | 0      | 0                      | 0            | 0                    |
| Catherine's Cross ..    | 0                   | 21            | 135            | 5                     | 98                     | 46                     | 7      | 0                      | 5            | 6                    |
| Cockleheath ..          | 0                   | 0             | 11             | 0                     | 8                      | 3                      | 0      | 0                      | 1            | 11                   |
| Dangerfield Lane ..     | 0                   | 4             | 24             | 4                     | 13                     | 7                      | 4      | 1                      | 2            | 2                    |
| Factory Street ..       | 2                   | 9             | 31             | 4                     | 29                     | 8                      | 1      | 1                      | 1            | 1                    |
| Forge Road ..           | 0                   | 2             | 13             | 0                     | 11                     | 3                      | 1      | 0                      | 0            | 0                    |
| Foundry Street ..       | 8                   | 3             | 58             | 9                     | 52                     | 6                      | 2      | 2                      | 2            | 0                    |
| Heathfield Lane ..      | 0                   | 8             | 30             | 7                     | 24                     | 6                      | 1      | 0                      | 0            | 0                    |
| Herbert's Park ..       | 0                   | 0             | 3              | 0                     | 1                      | 2                      | 0      | 0                      | 0            | 0                    |
| King Edward Street ..   | 0                   | 0             | 51             | 0                     | 37                     | 13                     | 1      | 0                      | 0            | 0                    |
| Mill Street ..          | 0                   | 2             | 57             | 2                     | 28                     | 27                     | 1      | 0                      | 0            | 3                    |
| Moxley ..               | 33                  | 15            | 67             | 0                     | 76                     | 27                     | 12     | 7                      | 22           | 59                   |
| Moxley Road ..          | 2                   | 19            | 110            | 7                     | 53                     | 66                     | 5      | 14                     | 6            | 12                   |
| Park Road ..            | 0                   | 2             | 13             | 1                     | 6                      | 8                      | 0      | 3                      | 0            | 0                    |
| Park Street ..          | 0                   | 1             | 7              | 1                     | 6                      | 1                      | 0      | 1                      | 0            | 1                    |
| St. John's Road ..      | 0                   | 1             | 37             | 4                     | 24                     | 9                      | 1      | 3                      | 0            | 1                    |
| Pinfold Street ..       | 0                   | 14            | 75             | 3                     | 48                     | 27                     | 11     | 1                      | 4            | 6                    |
| Wolverhampton Street .. | 3                   | 7             | 116            | 5                     | 59                     | 58                     | 4      | 2                      | 1            | 8                    |
| Totals ..               | 48                  | 108           | 852            | 52                    | 587                    | 318                    | 51     | 35                     | 44           | 110                  |

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**Table 5.**  
*Housing and Town Planning. Central Ward.*

| STREET.               | Back to Back Houses | Single Houses | Through Houses | Number with 1 Bedroom | Number with 2 Bedrooms | Number with 3 Bedrooms | Over 3 | Cases of over-crowding | Open Asphits | Privies and Cisterns |
|-----------------------|---------------------|---------------|----------------|-----------------------|------------------------|------------------------|--------|------------------------|--------------|----------------------|
| Alma Street ..        | 0                   | 1             | 32             | 1                     | 28                     | 2                      | 2      | 2                      | 0            | 1                    |
| Baulk Lane ..         | 0                   | 0             | 2              | 0                     | 2                      | 0                      | 0      | 0                      | 0            | 0                    |
| Bilston Street ..     | 0                   | 14            | 40             | 21                    | 22                     | 10                     | 1      | 0                      | 1            | 2                    |
| Blakenore's Lane ..   | 0                   | 12            | 11             | 4                     | 14                     | 5                      | 0      | 0                      | 1            | 1                    |
| Cramphill ..          | 2                   | 18            | 53             | 17                    | 45                     | 7                      | 4      | 2                      | 6            | 3                    |
| Cross Street ..       | 2                   | 6             | 18             | 2                     | 18                     | 3                      | 3      | 2                      | 4            | 1                    |
| Dorsett Road ..       | 0                   | 1             | 43             | 0                     | 2                      | 40                     | 2      | 0                      | 0            | 0                    |
| Eldon Street ..       | 2                   | 4             | 64             | 1                     | 41                     | 25                     | 3      | 2                      | 2            | 1                    |
| Great Croft Street .. | 6                   | 2             | 46             | 2                     | 40                     | 11                     | 1      | 2                      | 1            | 1                    |
| High Street ..        | 3                   | 11            | 56             | 3                     | 31                     | 28                     | 8      | 0                      | 6            | 3                    |
| The Leys ..           | 0                   | 0             | 19             | 1                     | 8                      | 5                      | 5      | 0                      | 2            | 1                    |
| New Road ..           | 0                   | 0             | 24             | 0                     | 20                     | 4                      | 0      | 3                      | 0            | 0                    |
| New Street ..         | 0                   | 26            | 54             | 11                    | 40                     | 24                     | 5      | 0                      | 3            | 0                    |
| Rough Hay ..          | 0                   | 0             | 6              | 0                     | 2                      | 0                      | 1      | 0                      | 3            | 1                    |
| School Street ..      | 0                   | 0             | 13             | 0                     | 12                     | 0                      | 1      | 0                      | 2            | 0                    |
| Smith Street ..       | 0                   | 1             | 39             | 0                     | 25                     | 12                     | 3      | 1                      | 3            | 0                    |
| Willenhall Street ..  | 8                   | 21            | 65             | 11                    | 46                     | 34                     | 3      | 1                      | 6            | 14                   |
| Totals ..             | 23                  | 117           | 585            | 74                    | 396                    | 210                    | 45     | 15                     | 40           | 35                   |

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**Table 6.**

*Housing and Town Planning. The Green Ward.*

| STREET.             | Back to Back Houses | Single Houses | Through Houses | Number with 1 Bedroom | Number with 2 Bedrooms | Number with 3 Bedrooms | Over 3 | Cases of over-crowding | Open Ashpits | Privies and Cisterns |
|---------------------|---------------------|---------------|----------------|-----------------------|------------------------|------------------------|--------|------------------------|--------------|----------------------|
| Addenbrooke Street  | 0                   | 0             | 53             | 0                     | 4                      | 45                     | 4      | 0                      | 0            | 0                    |
| Aldridge Street     | 0                   | 0             | 8              | 0                     | 8                      | 0                      | 0      | 0                      | 0            | 0                    |
| Beard Street        | 0                   | 2             | 22             | 0                     | 12                     | 12                     | 0      | 1                      | 1            | 0                    |
| Bell Street         | 6                   | 17            | 58             | 5                     | 56                     | 16                     | 4      | 5                      | 3            | 0                    |
| Bentley Road        | 0                   | 3             | 25             | 1                     | 17                     | 8                      | 2      | 0                      | 2            | 15                   |
| Blockall            | 0                   | 7             | 38             | 0                     | 21                     | 17                     | 7      | 0                      | 3            | 0                    |
| Booth Street        | 0                   | 0             | 51             | 0                     | 30                     | 21                     | 0      | 3                      | 0            | 0                    |
| Brush Street        | 0                   | 8             | 49             | 3                     | 35                     | 18                     | 1      | 2                      | 6            | 3                    |
| Castle Street       | 0                   | 0             | 31             | 0                     | 16                     | 15                     | 0      | 1                      | 0            | 0                    |
| Foster Street       | 0                   | 24            | 75             | 2                     | 60                     | 38                     | 5      | 3                      | 3            | 6                    |
| Horton Street       | 0                   | 0             | 48             | 0                     | 35                     | 12                     | 1      | 1                      | 2            | 0                    |
| Giles Square        | 0                   | 3             | 16             | 0                     | 17                     | 2                      | 0      | 1                      | 1            | 0                    |
| Little Cross Street | 0                   | 0             | 13             | 0                     | 4                      | 9                      | 0      | 1                      | 0            | 11                   |
| Perry Street        | 0                   | 0             | 41             | 0                     | 25                     | 15                     | 1      | 4                      | 0            | 0                    |
| Queen Street        | 0                   | 0             | 8              | 0                     | 8                      | 0                      | 0      | 1                      | 0            | 0                    |
| Richard Street      | 0                   | 0             | 31             | 0                     | 8                      | 22                     | 1      | 1                      | 0            | 0                    |
| Rough Hay Road      | 0                   | 0             | 11             | 0                     | 0                      | 11                     | 0      | 1                      | 0            | 0                    |
| St. George's Street | 0                   | 6             | 19             | 1                     | 23                     | 1                      | 0      | 2                      | 4            | 4                    |
| The Green           | 0                   | 28            | 139            | 12                    | 75                     | 56                     | 24     | 16                     | 13           | 14                   |
| Willenhall Road..   | 0                   | 2             | 61             | 1                     | 25                     | 30                     | 7      | 1                      | 5            | 4                    |
| Totals              | 12                  | 100           | 797            | 25                    | 479                    | 348                    | 57     | 44                     | 43           | 57                   |



## Factories and Workshops.

There are now on the Register 114 workshops, including 14 bakehouses. A detailed list of the trades carried on will be found set out in the table following.

132 visits of inspection have been made to these premises and 43 re-visits respecting defects notified.

Sixteen notices have been received from H.M. Inspectors' of Factories respecting defects at factories which were remediable under the Public Health Acts. These complaints have all received attention.

### List of Trades carried on in the district.

| <i>Workshops—</i>         |    |       |
|---------------------------|----|-------|
| Nut & Bolt Making ..      | .. | 21    |
| Gun Locks . ..            | .. | 13    |
| Dressmaking ..            | .. | 16    |
| Boots and Shoes ..        | .. | 8     |
| Blacksmiths ..            | .. | 6     |
| Millinery ..              | .. | 4     |
| Joiners and Carpenters .. | .. | 4     |
| Bakehouses ..             | .. | 14    |
| Others ..                 | .. | 28    |
|                           |    | Total |
|                           |    | 114   |



**Table 7.**  
*Factories and Workshops. Statement of Defects.*

| NATURE OF COMPLAINT.                         | No. of Notices | Remarks              |    | Out-standing |
|--|----------------|----------------------|----|--------------|
| <i>Factories—</i>                            |                |                      |    |              |
| Sanitary Accommodation Unsuitable            | 5              | Amended ..           | 5  | 0            |
| Improperly Cleaned and Flushed               | 6              | Abated ..            | 6  | 0            |
| No Proper Accommodation                      | 1              | Convenience Provided | 1  | 0            |
| Conveniences Insanitary                      | 1              | Abated ..            | 1  | 0            |
| Sanitary Accommodation Insufficient          | 2              | W.C.'s Provided      | 2  | 0            |
| Nuisance from Furnace Chimneys (1913 report) | 1              | Abated ..            | 1  | 0            |
| Cleansing of Walls and Ceilings.. "          | 1              | " ..                 | 1  | 0            |
| <i>Workshops—</i>                            |                |                      |    |              |
| Cleansing of Bakehouses                      | 4              | Abated ..            | 4  | 0            |
| Structural Defects—Bakehouse                 | 1              | Now Closed ..        | 1  | 0            |
| Structural Defects—Workroom                  | 1              | Repaired ..          | 1  | 0            |
| Cleansing of Walls and Ceilings..            | 14             | Abated..             | 13 | 1            |
| Insanitary Accommodation                     | 1              | W.C. Provided        | 1  | 0            |
| Total number of Defects                      | 38             | Abated               | 37 | 1            |

## **Slaughterhouses, Meat and Foods.**

There are 10 slaughterhouses now on the register, 4 being licensed annually and 6 being registered.

The premises, which are visited at frequent intervals were found to be in good structural condition and well maintained. On the whole the meat examined has been found to be of good quality.

Owing to the multiplicity of duties, and the varying days and times of killing, it is impracticable to examine all meat before being carted away from the slaughterhouse, so that this branch of Public Health work does not receive the attention it merits. A Public Abattoir would go far to bring all butchers meat under closer inspection, and more rigid examination.

A total of 2,237 lbs. of meat has been condemned as unfit for human consumption, including 1 beast (Gen. Tub.), 6 pigs heads and plucks (Tub.), and varying quantities of unsound and unwholesome meat and foods.

## **Dairies, Cowsheds and Milkshops.**

These premises have been periodically visited during the year and have been found to be well kept. A distinct improvement in the Sanitary conditions in and around the premises is to be noted. There are 10 cowkeepers now on the register with a total of 35 cows.

On one of my visits to these premises in March last, I had occasion to note the condition of one animal (recently calved) which appeared to be suffering from Tuberculosis. As required by the Tuberculosis Order of 1913, the case was at once notified to the Local Authority under the Diseases of Animals Act. A subsequent examination by a Veterinary Surgeon indicated that the animal was Tuberculous. It was afterwards slaughtered and found to be suffering from Generalized Tuberculosis. The carcass was disposed of at the Knackers Yard under my supervision.

There are 26 purveyors of milk on the register. The premises have been visited at intervals.

### **Isolation Hospital.**

No cases of Infectious disease have been admitted to the Hospital during the period covered by this report. Of the two cases of Enteric notified, one died within a few hours, the other being suitably isolated at home.

### **Infectious Disease.**

Particulars as to notifications will be found set out in the Table at the end of the report.

During the year 27 deaths from Pulmonary and Generalised Tuberculosis have been notified to me by the Registrar. The premises and articles have been disinfected.

An arrangement has been entered into during the year with the neighbouring district of Wednesbury, for the disinfection of bedding, etc., by Steam Disinfector. This Disinfector is within very easy access, being only a few hundred yards removed from our boundary.

### **Canal Boats.**

78 visits of inspection have been made to examine Canal Boats, and 7 Registered Boats have been examined. The following infringements have been reported :—

|                                    |   |
|------------------------------------|---|
| No proper or suitable water vessel | 3 |
| Remedied                           | 3 |

The boats inspected were found to be excellently kept from a Sanitary point of view, the interiors being scrupulously clean, and the occupants themselves cleanly in their habits and person.

I remain,

Mr. Chairman and Gentlemen,

Yours respectfully,

JOSEPH S. BARKER, M.S.I.A.,

Assoc. Royl San. Inst.,

Certified Meat and Foods' Inspector.

**Table 1.**

*Vital Statistics of Whole District during 1914 and previous years.*

| YEAR | Population estimated to middle of each year | BIRTHS              |        |       | Total Deaths registered in the district |       | Transferable Deaths                         |   | Net deaths belonging to the district |        |             |       |
|------|---|---------------------|--------|-------|---|-------|---|---|--------------------------------------|--------|-------------|-------|
|      |   | Un-corrected Number | Number | Rate  | Number                                  | Rate  | Of Non-residents registered in the district | of Residents not registered in the district | Under one year                       |        | At all ages |       |
|      |   |                     |        |       |   |       |   |   | Number                               | Rate   |             |       |
| 1909 | 15916                                       | 0                   | 593    | 37.25 | 307                                     | 19.28 | 1   | 22  | 109                                  | 182.12 | 328         | 20.60 |
| 1910 | 16000                                       | 0                   | 561    | 35.25 | 259                                     | 16.18 | 0   | 16  | 83                                   | 147.22 | 275         | 17.18 |
| 1911 | 17107                                       | 0                   | 575    | 33.60 | 293                                     | 17.13 | 0   | 22  | 100                                  | 173.91 | 315         | 18.42 |
| 1912 | 17363                                       | 552                 | 555    | 31.96 | 277                                     | 15.95 | 0   | 22  | 80                                   | 144.14 | 299         | 17.22 |
| 1913 | 17517                                       | 570                 | 576    | 32.88 | 306                                     | 17.47 | 0   | 24  | 83                                   | 144.10 | 330         | 18.83 |
| 1914 | 17700                                       | 577                 | 579    | 32.71 | 255                                     | 14.41 | 0   | 29  | 83                                   | 143.35 | 284         | 16.05 |

**Table 2.**

*Cases of Infectious Disease notified during the year 1914.*

| NOTIFIABLE DISEASE                      | No. of Cases Notified |               |               |                      |                 |                 |                 | Total Cases Notified in each Locality. |        |        |        | Total cases removed to hospital |
|---|-----------------------|---------------|---------------|----------------------|-----------------|-----------------|-----------------|--|--------|--------|--------|---------------------------------|
|   | At all Ages           | AT AGES—YEARS |               |                      |                 |                 |                 | Ward 1                                 | Ward 2 | Ward 3 | Ward 4 |                                 |
|   |                       | Under 1 year  | 1 and under 5 | 5 and under 15 years | 15 and under 25 | 25 and under 45 | 45 and under 65 |  |        |        |        |                                 |
| Diphtheria (including Membranous Group) | 4                     | 0             | 1             | 3                    | 0               | 0               | 0               | 1                                      | 1      | 1      | 1      | 0                               |
| Erysipelas ..                           | 16                    | 0             | 0             | 2                    | 2               | 8               | 0               | 5                                      | 7      | 3      | 1      | 0                               |
| Scarlet Fever ..                        | 6                     | 0             | 1             | 4                    | 0               | 1               | 0               | 2                                      | 0      | 2      | 2      | 0                               |
| Enteric Fever ..                        | 2                     | 0             | 0             | 1                    | 0               | 1               | 0               | 0                                      | 2      | 0      | 0      | 0                               |
| Ophthalmia Neonatorum ..                | 1                     | 1             | 0             | 0                    | 0               | 0               | 0               | 0                                      | 0      | 1      | 0      | 0                               |
| Pulmonary Tuberculosis ..               | 48                    | 0             | 2             | 7                    | 11              | 22              | 6               | 13                                     | 18     | 8      | 9      | 0                               |
| Other forms of Tuberculosis ..          | 10                    | 0             | 2             | 4                    | 1               | 2               | 1               | 3                                      | 2      | 4      | 1      | 0                               |
| Totals ..                               | 87                    | 1             | 6             | 21                   | 14              | 34              | 11              | 24                                     | 30     | 19     | 14     | 0                               |

Table 3

*Causes of, and Ages at, Death during the Year 1914*

| CAUSES OF DEATH                         | Nett Deaths at the subjoined ages of "Residents" whether occurring within or without the District. |              |             |             |             |              |              |              |            |  |
|---|--|--------------|-------------|-------------|-------------|--------------|--------------|--------------|------------|--|
|   | All Ages   | Under 1 year | 1 and under | 2 and under | 5 and under | 15 and under | 25 and under | 45 and under | 65 and up- |  |
|   |  |              | 2 years     | 5 years     | 15 years    | 25 years     | 45 years     | 65 years     | wards      |  |
| Enteric Fever .. .. .                   | 1  |              |             |             |             |              | 1            |              |            |  |
| Whooping Cough .. ..                    | 7  | 1            | 3           | 3           | 1           |              |              | 2            |            |  |
| Diphtheria and Croup ..                 | 2  |              |             | 1           | 1           |              |              | 3            |            |  |
| Influenza .. .. .                       | 5  |              |             |             |             |              | 2            |              | 1          |  |
| Phthisis (Pulmonary Tuberculosis)       | 23   |              |             | 1           | 1           | 7            | 10           |              |            |  |
| Tuberculous Meningitis ..               | 4  |              | 2           | 1           | 1           | 3            |              | 1            |            |  |
| Other Tuberculous Diseases ..           | 7  | 3            |             |             | 1           | 1            |              | 8            | 5          |  |
| Cancer, malignant disease ..            | 17   | 2            |             |             |             | 2            |              | 1            |            |  |
| Meningitis .. .. .                      | 3  |              |             |             |             |              |              | 6            | 12         |  |
| Organic Heart Disease .. ..             | 27   | 1            |             |             |             | 2            |              | 1            | 6          |  |
| Bronchitis .. .. .                      | 32   | 6            | 1           |             |             |              |              | 1            | 21         |  |
| Pneumonia (all forms) .. ..             | 28   | 8            | 4           | 7           | 1           |              | 3            | 3            | 2          |  |
| Other diseases of respiratory organs    | 1  |              |             |             |             |              |              |              |            |  |
| Diarrhoea and Enteritis .. ..           | 21   | 13           | 4           | 1           | 1           |              | 1            |              | 1          |  |
| Nephritis and Bright's Disease ..       | 2  | 1            |             |             |             |              |              |              |            |  |
| Other accidents and diseases of         |  |              |             |             |             |              |              |              |            |  |
| Pregnancy and Parturition ..            | 1  | 1            |             |             |             |              |              |              |            |  |
| Congenital Debility and Malformation .. |  |              |             |             |             |              |              |              |            |  |
| including Premature Birth ..            | 42   | 41           | 1           |             |             |              | 1            | 1            |            |  |
| Violent Deaths, including Suicide ..    | 2  |              |             |             |             |              |              |              |            |  |
| Suicide .. .. .                         | 4  |              |             | 1           |             | 1            |              | 1            |            |  |
| Other Defined Diseases .. ..            | 55   | 5            |             |             | 3           | 1            | 7            | 13           | 26         |  |
| Totals .. .. .                          | 284  | 83           | 15          | 15          | 9           | 15           | 37           | 42           | 68         |  |

**Table 4.**

*Infant Mortality during the year 1914. Nett deaths from stated causes at various ages under 1 year of age.*

| Cause of Death.               | Under 1 week | 1-2 weeks | 2-3 weeks | 3-4 weeks | Total under 4 weeks | 4 weeks and under 3 months | 3 months and under 6 months | 6 months and under 9 months | 9 months and under 12 months | Total deaths under 1 year |
|-------------------------------|--------------|-----------|-----------|-----------|---------------------|----------------------------|-----------------------------|-----------------------------|------------------------------|---------------------------|
| Whooping Cough                | 0            | 0         | 0         | 0         | 0                   | 0                          | 1                           | 0                           | 0                            | 1                         |
| Abdominal Tuberculosis        | 0            | 0         | 0         | 0         | 0                   | 1                          | 1                           | 0                           | 0                            | 2                         |
| Other Tuberculous Diseases    | 0            | 0         | 0         | 0         | 0                   | 0                          | 1                           | 1                           | 0                            | 2                         |
| Meningitis (not Tuberculosis) | 0            | 0         | 0         | 0         | 0                   | 0                          | 2                           | 0                           | 0                            | 2                         |
| Convulsions                   | 3            | 0         | 0         | 0         | 3                   | 0                          | 1                           | 0                           | 0                            | 4                         |
| Bronchitis                    | 0            | 0         | 0         | 0         | 0                   | 2                          | 2                           | 2                           | 0                            | 6                         |
| Pneumonia (all forms)         | 0            | 0         | 0         | 0         | 0                   | 2                          | 1                           | 4                           | 1                            | 8                         |
| Enteritis                     | 0            | 0         | 0         | 0         | 0                   | 2                          | 5                           | 3                           | 3                            | 13                        |
| Syphilis                      | 0            | 0         | 0         | 0         | 0                   | 1                          | 0                           | 0                           | 0                            | 1                         |
| Congenital Malformations      | 1            | 0         | 1         | 0         | 2                   | 0                          | 0                           | 0                           | 0                            | 2                         |
| Premature Birth               | 19           | 3         | 1         | 0         | 23                  | 0                          | 0                           | 1                           | 0                            | 24                        |
| Atrophy, Debility & Marasmus  | 5            | 1         | 0         | 3         | 9                   | 3                          | 0                           | 1                           | 2                            | 15                        |
| Other Causes                  | 0            | 0         | 0         | 0         | 0                   | 1                          | 1                           | 0                           | 1                            | 3                         |
| Totals                        | 28           | 4         | 2         | 3         | 37                  | 12                         | 15                          | 12                          | 7                            | 83                        |

**Table 5.**

*Summary of Sanitary Work done in the Sanitary Inspector's Department during the year 1914.*

|                             | Number of                         |               | Abatement Notices     |                     | Nuisances Abated after Notice by |           |
|-----------------------------|-----------------------------------|---------------|-----------------------|---------------------|----------------------------------|-----------|
|                             | Inspections and Observations made | Defects found | Informal by Inspector | Formal by Authority | Inspector                        | Authority |
| Dwelling-houses and Schools | Foul Conditions                   | 307           | 143                   | 114                 | 4                                | 4         |
|                             | Structural Defects                | 565           | 312                   | 147                 | 5                                | 5         |
|                             | Overcrowding                      | 99            | 97                    | 97                  | 4                                | 4         |
|                             | Unfit for Habitation              | 2350          | 1687                  | 207                 | 1355                             | 43        |
|                             | Dairies and Milkshops             | 58            | 7                     | 7                   | 0                                | 0         |
|                             | Cowsheds                          | 37            | 8                     | 8                   | 1                                | 1         |
|                             | Bakehouses                        | 43            | 19                    | 10                  | 2                                | 3         |
|                             | Slaughter-houses                  | 742           | 9                     | 9                   | 0                                | 0         |
|                             | Canal Boats                       | 78            | 3                     | 3                   | 0                                | 0         |
|                             | Ashpits and Privies               | 574           | 337                   | 167                 | 32                               | 22        |
|                             | Deposits of Refuse & Manure       | 27            | 21                    | 21                  | 4                                | 4         |
|                             | Water Closets                     | 289           | 145                   | 94                  | 10                               | 10        |
|                             | Defective Traps                   | 2             | 2                     | 2                   | 0                                | 0         |
|                             | No Disconnection                  | 5             | 5                     | 5                   | 0                                | 0         |
|                             | Other Faults                      | 14            | 14                    | 6                   | 0                                | 0         |
|                             | Water Supply                      | 4             | 2                     | 2                   | 2                                | 0         |
|                             | Pigsties                          | 17            | 9                     | 9                   | 0                                | 0         |
|                             | Animals improperly kept           | 32            | 22                    | 22                  | 3                                | 3         |
|                             | Smoke Nuisances                   | 2             | 2                     | 2                   | 1                                | 1         |
|                             | Other Nuisances                   | 47            | 28                    | 28                  | 2                                | 2         |
| Totals                      | 5292                              | 2972          | 900                   | 85                  | 2322                             | 102       |



**Table 6.**

| YEAR                                | Population<br>estimated<br>to middle<br>of each<br>year. | Births<br>Registered | Deaths<br>at all ages | Deaths<br>under 1<br>year |
|-------------------------------------|--|----------------------|-----------------------|---------------------------|
| 1901                                | 15 411   | 610                  | 349                   | 128                       |
| 1902                                | 15 474   | 633                  | 327                   | 129                       |
| 1903                                | 15 538   | 605                  | 297                   | 89                        |
| 1904                                | 15 602   | 665                  | 351                   | 131                       |
| 1905                                | 15 666   | 592                  | 317                   | 130                       |
| 1906                                | 15 730   | 625                  | 356                   | 117                       |
| 1907                                | 15 794   | 646                  | 321                   | 117                       |
| 1908                                | 15 852   | 644                  | 313                   | 129                       |
| 1909                                | 15 916   | 593                  | 328                   | 108                       |
| 1910                                | 16 000   | 561                  | 275                   | 83                        |
| 1911                                | 17 107   | 575                  | 315                   | 100                       |
| 1912                                | 17 363   | 555                  | 299                   | 80                        |
| 1913                                | 17 517   | 576                  | 330                   | 83                        |
| Average<br>for years<br>1901 & 1913 | 16 075   | 606                  | 321                   | 110                       |
| 1914                                | 17 700   | 579                  | 284                   | 83                        |

**Table 7.**

*Showing Deaths of Children and Death Rates of Children  
to 1000 Deaths for 1914 and 10 preceding years.*

| YEAR                            | Deaths<br>under 1<br>year | Deaths of<br>children under<br>1 year<br>per 1000<br>of total deaths | Deaths of<br>children of 1<br>and under<br>5 years | Deaths of<br>Children of 1<br>and under 5<br>years per 100<br>of total deaths |
|---------------------------------|---------------------------|--|--|---|
| 1904                            | 131                       | 373·21   | 57   | 162·39  |
| 1905                            | 130                       | 410·09   | 43   | 135·64  |
| 1906                            | 117                       | 328·65   | 48   | 134·83  |
| 1907                            | 117                       | 364·48   | 45   | 140·18  |
| 1908                            | 129                       | 412·14   | 36   | 115·01  |
| 1909                            | 108                       | 329·26   | 77   | 234·75  |
| 1910                            | 83                        | 320·46   | 23   | 88·80   |
| 1911                            | 100                       | 317·46   | 31   | 98·41   |
| 1912                            | 80                        | 260·86   | 56   | 187·29  |
| 1913                            | 83                        | 251·51   | 70   | 212·12  |
| Average<br>age for<br>ten years | 108                       | 336·81   | 49   | 150·84  |
| 1914                            | 83                        | 292·25   | 30   | 105·63  |

**Table 8.**

*Showing Deaths from principal Zymotic Diseases in 6 years, 1909 to 1914.*

| DISEASE                            | 1909 | 1910 | 1911 | 1912 | 1913 | 1914 | Annual<br>Average<br>of 6<br>years. |
|------------------------------------|------|------|------|------|------|------|-------------------------------------|
| Smallpox ..                        | 0    | 0    | 0    | 0    | 0    | 0    | 0                                   |
| Measles ..                         | 41   | 0    | 6    | 26   | 19   | 0    | 15.33                               |
| Scarlet Fever ..                   | 10   | 6    | 0    | 1    | 1    | 0    | 3.00                                |
| Diphtheria and Membranous Croup .. | 1    | 2    | 0    | 1    | 1    | 2    | 1.17                                |
| Whooping Cough ..                  | 8    | 6    | 2    | 11   | 2    | 7    | 6.00                                |
| Typhus ..                          | 0    | 0    | 0    | 0    | 0    | 0    | 0                                   |
| Enteric ..                         | 2    | 0    | 3    | 2    | 0    | 1    | 1.33                                |
| Continued ..                       | 0    | 0    | 0    | 0    | 0    | 0    | 0                                   |
| Diarrhoea ..                       | 15   | 12   | 31   | 6    | 31   | 21   | 19.33                               |
| Totals ..                          | 77   | 26   | 42   | 47   | 54   | 31   |                                     |

**Table 9.**

*Percentage of Deaths from subjoined causes in 10 Years (1904-1913) of children under 1 year to total deaths of children under 1 year as compared with 1914.*

| Year                 | Total Number of Deaths under 1 year | Congenital Debility and Premature Birth | Diarrhea including Epidemic Enteritis | Diarrhea including Epidemic and Gastro Enteritis and Enteritis | Bronchitis and Pneumonia | Tuberculosis Diseases Marasmus & Wasting Diseases | Convulsions |
|----------------------|-------------------------------------|---|---------------------------------------|--|--------------------------|---|-------------|
| 1904                 | 131                                 | 16.79                                   | 19.84                                 | 19.84  | 18.32                    | 24.42   | 2.29        |
| 1905                 | 130                                 | 27.69                                   | 8.46                                  | 8.46   | 16.92                    | 28.46   | 3.84        |
| 1906                 | 177                                 | 17.09                                   | 16.24                                 | 16.24  | 14.53                    | 29.91   | 5.12        |
| 1907                 | 177                                 | 28.20                                   | 10.25                                 | 10.25  | 24.79                    | 23.93   | 3.41        |
| 1908                 | 129                                 | 22.48                                   | 17.82                                 | 17.82  | 17.05                    | 21.70   | 3.87        |
| 1909                 | 108                                 | 30.54                                   | 9.25                                  | 10.18  | 18.15                    | 23.14   | 2.77        |
| 1910                 | 83                                  | 21.68                                   | 8.43                                  | 9.69   | 16.86                    | 18.07   | 2.49        |
| 1911                 | 100                                 | 22.00                                   | 13.00                                 | 18.00  | 20.00                    | 22.00   | 5.00        |
| 1912                 | 80                                  | 21.24                                   | 3.33                                  | 5.00   | 41.25                    | 22.50   | 1.25        |
| 1913                 | 83                                  | 14.46                                   | 18.07                                 | 20.48  | 25.30                    | 31.33   | 1.20        |
| Average for 10 years | 120                                 | 22.22                                   | 12.47                                 | 13.60  | 21.32                    | 24.55   | 3.12        |
| 1914                 | 83                                  | 31.33                                   | 15.66                                 | 15.66  | 16.87                    | 22.89   | 4.82        |

**Table 10.**

*Cause of Death of children under 1 year of age in 10 years—1905-1914*

| CAUSE   | 1905       | 1906       | 1907       | 1908       | 1909       | 1910      | 1911       | 1912      | 1913      | 1914      |
|---|------------|------------|------------|------------|------------|-----------|------------|-----------|-----------|-----------|
| Abscess ...   |            |            |            |            |            |           |            |           |           |           |
| Accidently overlain ...                             |            |            |            |            |            |           | 2          |           | 1         |           |
| Atelactasis of Lungs ...                            |            |            |            | 1          | 1          |           |            |           |           |           |
| Bronchitis... ..                                    | 15         | 15         | 23         | 17         | 19         | 8         | 16         | 7         | 2         | 6         |
| Brights Disease ...                                 |            | 1          |            |            |            |           |            |           |           | 1         |
| Congenital Macformations and<br>Premature Birth ... | 34         | 20         | 29         | 29         | 22         | 21        | 22         | 17        | 12        | 26        |
| Convulsions ...                                     | 5          | 6          | 4          | 5          | 3          | 2         | 4          | 1         | 1         | 4         |
| Cerebral Congestion ...                             |            | 1          |            |            |            |           |            |           |           |           |
| Diarrhoea and Epidemic<br>Enteritis ...             | 11         | 19         | 11         | 23         | 10         | 7         | 13         | 3         | 15        | 11        |
| Dentition ...                                       | 1          |            |            | 1          |            |           |            |           |           |           |
| Difficult Parturi ion ...                           |            |            | 1          | 1          |            |           |            |           |           |           |
| Erysipelas ...                                      |            |            |            |            |            |           |            |           |           |           |
| Eczema ...  | 1          |            |            | 1          |            |           |            |           |           |           |
| Enteritis ...                                       | 3          | 7          |            |            |            | 1         | 3          |           |           | 2         |
| Gastritis ...                                       |            |            |            |            |            |           |            | 1         | 2         |           |
| Gastro Enteritis ...                                |            |            |            |            | 1          |           | 1          |           |           |           |
| Hepatic Congestion ...                              | 1          |            |            |            |            |           |            |           |           |           |
| Hydrocephalus ...                                   | 1          |            |            |            |            | 1         |            |           |           |           |
| Heart Diseases ...                                  |            | 1          |            |            | 1          |           | 1          |           |           | 1         |
| Intestinal Catarrh ...                              |            |            | 1          |            |            |           |            |           |           |           |
| Inanition ...                                       | 2          | 2          | 4          | 9          | 11         | 8         | 8          |           |           |           |
| Intestinal Hæorrhage ...                            |            |            |            |            |            |           |            |           |           |           |
| Influenza ...                                       |            |            |            | 1          |            |           |            |           |           |           |
| Laryngitis and Croup ...                            |            |            | 1          |            |            | 1         |            |           |           |           |
| Measles ...   | 9          | 1          | 2          |            | 7          |           | 1          | 6         | 2         |           |
| Meningitis ...                                      | 1          | 1          |            |            | 1          |           | 1          | 1         |           | 2         |
| Membranous Croup ...                                |            |            |            |            |            |           |            |           |           |           |
| Natural Causes (Inquest)                            |            |            |            | 2          |            |           | 1          |           |           | 1         |
| Nephritis ...                                       |            |            |            |            |            |           | 1          |           |           |           |
| Pneumonia ...                                       | 7          | 2          | 6          | 5          | 1          | 6         | 4          | 16        | 19        | 8         |
| Pemphigus Neonatorum ...                            |            |            |            |            |            |           |            |           |           |           |
| Suffocated ...                                      | 1          | 4          | 6          | 2          | 2          | 3         |            | 2         | 1         |           |
| Spina Bifida ...                                    |            |            |            |            | 1          |           |            |           |           |           |
| Syphilis ...  |            | 1          |            |            |            |           |            | 2         |           | 1         |
| Shock from Burns ...                                |            |            |            |            |            |           |            |           |           |           |
| Septicæmia ...                                      | 1          |            |            |            |            |           |            |           |           |           |
| Tuberculosis, Marasmus<br>and Wasting Diseases ...  | 36         | 35         | 28         | 28         | 25         | 21        | 22         | 18        | 26        | 19        |
| Whooping Cough ...                                  | 1          | 1          | 1          | 4          | 3          | 4         |            | 5         |           | 1         |
| Other Causes ...                                    |            |            |            |            |            |           |            | 1         | 2         |           |
| <b>TOTAL</b> ...                                    | <b>130</b> | <b>117</b> | <b>117</b> | <b>129</b> | <b>108</b> | <b>83</b> | <b>100</b> | <b>80</b> | <b>83</b> | <b>83</b> |

